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## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(54) Title: HUMAN CANCER ASSOCIATED GENE SEQUENCES AND POLYPEPTIDES

## (57) Abstract

This invention relates to newly identified tissue specific cancer associated polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "cancer antigens", and to the complete gene sequences associated therewith and to the expression products thereof, as well as the use of such tissue specific cancer antigens for detection, prevention and treatment of tissue specific disorders, particularly the presence of cancer. This invention relates to the cancer antigens as well as vectors, host cells, antibodies directed to cancer antigens and recombinant and synthetic methods for producing the same. Also provided are diagnostic methods for diagnosing and treating, preventing and/or prognosing tissue specific disorders, including cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of cancer antigens of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and/or function of the polypeptides of the present invention.

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587	845361	phosphoglycerate kinase (EC 2.7.2.3) [Homo sapiens] >gi 387021 phosphoglycerate kinase [Homo sapiens] >gi 33435 coding sequence [Homo sapiens] >pir 159050 KIHUG phosphoglycerate kinase (EC 2.7.2.3) - human length = 417	gi 387020	39	1232	100	100	HUEU91	Pancreas, Colon
588	845620			508	1254			HWIRHQ16	Lung, Pancreas, Prostate, Breast/Ovarian
589	845639	leukocyte antigen F [Homo sapiens] >gi 3273731 (AF055066) MHC class I HLA-F [Homo sapiens] >pir A60384 A60384 MHC class I histocompatibility antigen HLA-F alpha chain Dew3 precursor - human >sp P30511 HLAF_HUMAN HLA CLASS I HISTOCOMPATIBILITY ANTIGEN, FA	gi 312407	2	814	90	90	HCFNA68	Lung, Pancreas, Colon, Breast/Ovarian
590	845660	Cyr61 [Homo sapiens] >gi 1PID e311857 Gig1 protein [Homo sapiens] >gi 2196782 (AF003594) growth-factor inducible immediate early gene product CYR61 [Homo sapiens] >gi P1D e1249319 hC YR61 protein [Homo sapiens] >sp O00622 CYR6_HUMAN CYR61 PROTEIN PRECURSO	gi 2130527	1	1365	91	91	HKAJW79	Lung, Pancreas, Prostate, Breast/Ovarian
591	845720			1	261			HKDAFB3	Lung, Breast/Ovarian
592	845785				180	509		HSODTM9	Pancreas, Colon, Breast/Ovarian
593	845897				1369	1677		HAIDAB09	Pancreas, Breast/Ovarian

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